

20010608.qrp v02_n214.qrl.20010608

Date: Fri, 8 Jun 2001 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2214

QRP-L Digest 2214

Topics covered in this issue include:

- 1) [99650] Re: OT: Save BBC Coalition
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 2) [99651] Re: ft-817
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 3) [99652] Now Showing: The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 4) [99653] RE: G5RV Balun Use Question
by "Phil (VA3UX)" <phil@vaxxine.com>
- 5) [99654] RE: FD Laptop power suggestions
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 6) [99655] RE: Interesting Used Scope and Test Equipment Site
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 7) [99656] Hobby Bench URL:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 8) [99657] Re: Pink Noise Generator
by "Graeme Zimmer" <gzimmer@optushome.com.au>
- 9) [99658] Re: ft-817
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 10) [99659] Re: G5RV Balun Use Question
by "Phil (VA3UX)" <phil@vaxxine.com>
- 11) [99660] Re: Package for KD1JV wattmeter kit
by J38AL@aol.com
- 12) [99661] G5RV "Article" on G3YCC's Site
by wb2vuo@juno.com
- 13) [99662] OT:Re: Refarming the Novice bands
by "William Mabry" <n4qa@hotmail.com>
- 14) [99663] Re: ft-817
by n3wt@juno.com
- 15) [99664] [CONTEST] QRP Contest Calendar - June 9/10
by Ken Newman <N2CQ@citnet.com>
- 16) [99665] Re: OT:Re: Refarming the Novice bands
by Dave Redfearn <n4elm@home.com>
- 17) [99666] Re: FS - Wilderness SST40
by Dennis Doran <wb8wtu@yahoo.com>
- 18) [99667] T-Kit 1320 help?
by Mark Prather <wb9hfk@yahoo.com>
- 19) [99668] [MH101] K8IQY pics, K7Q0 patented IC pad maker, etc.

- by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 20) [99669] XE2/W0IS QRPedition
by Richard Clem <clem.law@usa.net>
- 21) [99670] Red Hot 20 has been sold
by flyer@value.net
- 22) [99671] Red Hot 20 Has been sold
by flyer@value.net
- 23) [99672] TWPSK
by mugglesto@ecentral.com
- 24) [99673] Re: ft-817
by "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
- 25) [99674] Re: FD Laptop power suggestions
by "Kevin Asato" <kevin.k.asato@worldnet.att.net>
- 26) [99675] ft817
by "James Edwards" <jle8@earthlink.net>
- 27) [99676] FOX - Peskly Texan Fox Hunt
by "N1LN" <n1ln@earthlink.net>
- 28) [99677] Round-base heavy brass telegraph key photos
by "Tom" <n1tp@worldnet.att.net>
- 29) [99678] RE: Good Deal Coax
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 30) [99679] Re: OT:Re: Refarming the Novice bands
by Curt Milton <wb8yyy@yahoo.com>
- 31) [99680] FT-817 reflector
by Radiohead <hduff@ica.net>
- 32) [99681] Re: OT:Re: Refarming the Novice bands
by "Brian" <bmurrey@amexol.net>
- 33) [99682] SSB RAGCHEW: Thurs 14.285 (??)
by "ss lyon" <sslyon@megalink.net>
- 34) [99683] Re: Round-base heavy brass telegraph key photos
by "Michael Melland" <w9wis@charter.net>
- 35) [99684] Re: Poor Dipole SWR
by Bill Coleman <aa4lr@arrl.net>
- 36) [99685] Re: multiband dipole ant
by Bill Coleman <aa4lr@arrl.net>
- 37) [99686] RE: Round-base heavy brass telegraph key photos
by "AI2Q Alex" <ai2q@adelphia.net>
- 38) [99687] Re: multiband dipole ant
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [99688] RE: Round-base heavy brass telegraph key photos
by "Mike D." <hrg@cifnet.com>
- 40) [99689] Summary FD Laptop power suggestions
by ed.kwik@delphiauto.com
- 41) [99690] Re: OT:Re: Refarming the Novice bands
by Louis Hlousek <lhlousek@nvhbell.net>
- 42) [99691] WTB 10 meter 642/742 module
by "JOE PARISELLA" <parisella@earthlink.net>
- 43) [99692] Re: Source for 250pF polyvaricon caps?

by Bill Coleman <aa4lr@arrl.net>
44) [99693] Re: Source for copper foil tape?
by Bill Coleman <aa4lr@arrl.net>
45) [99694] Re: Source for 250pF polyvaricon caps?
by "Mike Malone" <mmalone@worldlogon.com>
46) [99695] Re: SSB RAGCHEW: Thurs 14.285
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
47) [99696] Thanks
by Wes Clopton <W3ERU@DRIX.NET>
48) [99697] Nixie tubes, and SWL receiver
by "Hartwell, Martin" <mehartwell@att.com>
49) [99698] SLV Question
by Scott McCullough <mcwood@cornhusker.net>
50) [99699] Kudos to QRP-L; was Re: Thanks
by "Paul Harden, NA5N" <na5n@rt66.com>
51) [99700] Re: OT: Save BBC Coalition
by "laura halliday" <marsgal42@hotmail.com>
52) [99701] RE: G5RV Balun Use Question
by Jeff <fantbb@yahoo.com>
53) [99702] Re: multiband dipole ant
by Jeff <fantbb@yahoo.com>
54) [99703] OT Kinda - Antenna Modeling
by ed.kwik@delphiauto.com
55) [99704] Re: SLV Question
by David Gauding <david.gauding@bbs.galilei.com>
56) [99705] Lurkers
by ac5ez@webtv.net (Larry)
57) [99706] Re: Source for 250pF polyvaricon caps?
by Bill Coleman <aa4lr@arrl.net>
58) [99707] MH101: *F&^S*(&^!(*
by John Wagner <john@neknetwork.com>
59) [99708] Re: multiband dipole ant
by Jeff Stai WK6I <jstai@home.com>
60) [99709] Wanted: MV1404 varactors
by "qrpx@earthlink.net" <qrpx@earthlink.net>
61) [99710] Re: Poor Dipole SWR
by Bill Coleman <aa4lr@arrl.net>
62) [99711] Source of Solid Enameled Wire
by "Rick Austin" <rick@ltcable.com>
63) [99712] Re: Source for 250pF polyvaricon caps?
by "Steve Yates, AA5TB" <aa5tb@arrl.net>
64) [99713] Re: OT: Save BBC Coalition
by Larry Cahoon <lejek@erols.com>
65) [99714] NJQRP kits - availability update
by "George Heron N2APB" <n2apb@erols.com>
66) [99715] Re: OT: Save BBC Coalition
by Phil Wheeler <w7ox@earthlink.net>
67) [99716] Re: OT: Save BBC Coalition

by "laura halliday" <marsgal42@hotmail.com>

Date: Thu, 7 Jun 2001 19:01:50 -0400
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <g4wif@btinternet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99650] Re: OT: Save BBC Coalition
Message-ID: <03ab01c0efa5\$d6f38620\$a005b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>In return we gave you Anne Robinson and "The Weakest Link".

Thanks a million !

Good bye.....

Dick K2JQ

Date: Thu, 7 Jun 2001 19:02:28 -0400
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <p326@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99651] Re: ft-817
Message-ID: <03b201c0efa5\$ee9eca00\$a005b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

yes

-----Original Message-----

From: Bob Welch <p326@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, June 07, 2001 6:35 PM
Subject: ft-817

>Is there a reflector for the ft-817.?

>

>Bob

>
>

Date: Thu, 7 Jun 2001 16:48:57 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: russ@natworld.com, KI6SN@yahoo.com
Subject: [99652] Now Showing: The ARS Sojourner
Message-ID: <20010607234857.81057.qmail@web12103.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The June edition of the Adventure Radio Society's monthly web magazine, The ARS Sojourner, is hot off the digital press and is free for viewing at:

<http://www.natworld.com/ars>

Here's a look at the mix of this month's content:

- + Onward to the Top: The Path of Least Resistance to Highpoint, NJ, by John Ceccherelli, N2XE
- + High Flying Fun: Using a Parafoil Kite Out on the Trail, by Richard Newstead, G3CWI
- + An ARS Lab review of the Patcomm PC-500 Transceiver, by Russ Carpenter, AA7QU
- + The story of Breakneck Ridge, by John Ceccherelli, N2XE
- + Top of the World: Are You Up to the High Points Challenge?, by Richard Fisher, KI6SN
- + Results and soapbox comments from the June Spartan Sprint, featuring champions of the Skinny and Tubby divisions: N7RVD and N9AW respectively.
- + Wilderness Alerts for June 2001, which are regularly updated.
- + From Our Vantage Point: Keeping the 'Field' in Field Day
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
- + A rundown of upcoming ARS-sponsored events, including the July Spartan Sprint on July 2

On behalf of webmaster Russ Carpenter, AA7QU, The ARS Sojourner staff and contributing writers, we hope you enjoy the June edition. As always, we appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

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Get personalized email addresses from Yahoo! Mail - only \$35
a year! <http://personal.mail.yahoo.com/>

Date: Thu, 07 Jun 2001 19:57:50 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-1@Lehigh.EDU
Subject: [99653] RE: G5RV Balun Use Question
Message-ID: <5.0.2.1.0.20010607194739.009ec810@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:43 AM 6/7/2001 -0400, you wrote:

>Joel,

>

>My recollection on the G5RV is that Varney's article (I think it's in one
>of the ARRL Antenna Compendia) said *not* to use a balun. Unfortunately, I
>don't have the original article in handy, but I did when I built my
>mini-G5RV (without a balun) and have no trouble tuning it up between 40
>and 10 meters.

Bear in mind that when that article was written, the typical amateur balun
was built with specific input and output impedances - 50 ohms for a 1:1
balun. True enough that the highly reactive load presented by the G5RV
made those baluns useless with that antenna. In modern terms those would
have been called "Voltage Baluns". Fast forward to the early 1990's when
Walter Maxwell presented the "Current Balun" - essentially a choke (a bunch
of beads) on the outside of the coax that forced equal currents into a
balanced transmission line or antenna when fed from coax. No
characteristic impedance to worry about; no lossy cores in the signal path
to worry about. THAT kind of balun makes perfect sense at the junction of
the coax - ladder line for a G5RV. The same thing can be accomplished by
coiling 20 or 30 feet of coax on a piece of plastic pipe, just before the
connection to the ladder line. Also called a balun, but not the kind that
Lou was familiar with he wrote his article.

Phil

>73 de Dave AB0GO

>
>

Date: Thu, 7 Jun 2001 19:57:42 -0400
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: <ed.kwik@delphiauto.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99654] RE: FD Laptop power suggestions
Message-ID: <LPBBJAGIPFHKPJENAKLOAEAPE0AA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am not sure what model thinkpad you have, but my Thinkpad 365XD has a 9.6V internal battery and the power cube is 16.7 volts. I regularly run it from my main battery bank here (I am off grid) and have it run just fine as low as 11.7 volts. It may go lower I just haven't bothered to find out. Of course not very much charging gets done. If your internal battery is less than 12 volts (typically 9.6 or 10.8) you should be able to make it fly from a 12V gelcel. Don't let the 3 amp rating of the power cube fool you, that rating is based on a flat battery and full operation. If the internal battery is up to full charge, the drain should be under 1 amp (unless you are defragging your hard drive while playing led Zeppelin at max volume!!!!)

> -----Original Message-----

> From: ed.kwik@delphiauto.com
> Sent: Thursday, June 07, 2001 11:45 AM
> To: Low Power Amateur Radio Discussion
> Subject: FD Laptop power suggestions

> Looking for tried and true suggestions on how to power my
> laptop for Field Day. It is a IBM Thinkpad that has 20 volts
> DC input. Its power cube is rated for 3 amps. I can run it
> for a few hours on the internal battery but it will not last
> long enough to go all the way. We will not have any
> generators or other AC sources. What I do have:

Date: Thu, 7 Jun 2001 20:01:45 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'phil@vaxxine.com'" <phil@vaxxine.com>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [99655] RE: Interesting Used Scope and Test Equipment Site
Message-ID: <125490A005E3D3118C9C00805FC743CC023B30C7@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hey, Phil,

Don't forget to include the asking prices of the old Tek scopes I am trying
to get rid of! :-)

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Phil (VA3UX) [mailto:phil@vaxxine.com]
> Sent: Wednesday, June 06, 2001 7:59 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Interesting Used Scope and Test Equipment Site
>
>
> Since that is my site, I should mention that I'm in the
> process of updating
> the price table right now. Having said that I can say that
> there is very
> little change (practically NO change in most cases) between
> the data that
> is there now and what will be added.
>
> Phil
>
> At 04:29 PM 6/6/2001 -0500, Rick Austin wrote:
> >Hi gang,
> >
> >Ran across a site that provides pricing (high/low/average)
> of scopes, probes

> >and other equipment as determined by past ebay auctions.
> >
> >"Veddy interesting"
> >
> >Rick Austin
> >
> > <http://www.vaxxine.com/phil/scopes/test.htm>
>
>

Date: Thu, 7 Jun 2001 19:31:58 -0500
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [99656] Hobby Bench URL:
Message-ID: <017901c0efb2\$6eb8dd00\$5ec03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello:

Thanks Chuck Adams, K7QO for the heads up on the Hobby Bench item.
For us people that live in the rural area here is their url
<http://www.hobbybench.com/>

Gene Sailsbury KC0IKY

Date: Fri, 8 Jun 2001 11:37:37 +1000
From: "Graeme Zimmer" <gzimmer@optushome.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99657] Re: Pink Noise Generator
Message-ID: <00f901c0efbb\$996f60b0\$7e86a4cb@co3043446a>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

> White noise has equal energy at all frequencies. Pink noise has equal
energy
> per octave.

White noise looks Flat on a spectrum analyser but it doesn't sound Flat.

Pink noise is weighted so that it sounds Flat to our ears.

Hence the name "Pink".....

It is used for audibly checking loudspeakers, etc.

..... Zim

Date: Thu, 07 Jun 2001 20:33:46 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: p326@earthlink.net
Cc: qrp-1@lehigh.edu
Subject: [99658] Re: ft-817
Message-ID: <4.3.2.7.2.20010607203107.00b28920@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Yes. Go to <http://www.groups.yahoo.com/>

You will need a yahoo email address and user ID to join a group. Then,
<http://groups.yahoo.com/group/FT817>

Very good list with large archives - just about anything you might want to find out about the FT-817 in those emails.

As to a plain old remailer, I don't know of one.

Ed, N5EM

At 03:35 PM 6/7/01 -0700, you wrote:
>Is there a reflector for the ft-817.?
>
>Bob

Date: Thu, 07 Jun 2001 21:48:26 -0400

From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-1@Lehigh.EDU
Subject: [99659] Re: G5RV Balun Use Question
Message-ID: <5.0.2.1.0.20010607214653.009f1520@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:05 PM 6/7/2001 +0200, Ingo DK3RED wrote:

>Hello Joel and Dave

>

> > ... Unfortunately, I don't have the original article in handy, ...

>

><http://www.g3ycc.karoo.net/g5rv.htm>

I have the original article (somewhere). Would it be worthwhile scanning it and posting it on my website ?

Phil

>72 de Ingo, DK3RED

>

>E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Thu, 7 Jun 2001 21:46:09 EDT
From: J38AL@aol.com
To: qrp-1@lehigh.edu
Subject: [99660] Re: Package for KD1JV wattmeter kit
Message-ID: <122.2d26a.28518861@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

OK, here it goes again. Thanks for the input and the need for the .jpg extension. I think these should work now.

73, Al N2ZHS
Scotia, NY

I enjoyed building the kit and it worked perfect first time. I put a meter in the back of the case too. I took a few pictures of mine with a Sony digital camera and uploaded them. I would be interested in knowing how the pics

turned out - if you can view them that is :-) They are at the following addresses;

<http://members.aol.com/cwn2zhs/front.jpg>

<http://members.aol.com/cwn2zhs/back.jpg>

<http://members.aol.com/cwn2zhs/board.jpg>

Date: Thu, 7 Jun 2001 21:55:53 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [99661] G5RV "Article" on G3YCC's Site
Message-ID: <20010607.215558.-16717431.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

The article on the G5RV that Frank had on his site was a compilation of info on the G5RV that I wrote for the Brockport Amateur Radio Klub's BBS in the mid-90's

Frank contacted me on packet as I was not on line at that time, asking permission to post it to his site. I get more questions about those antenna articles I wrote for the local Klub than I get for all other technical matters as the Technical Co-ordinator for the ARRL's WNY Section, strange but true.

I have the original file here if anyone would like a copy, Drop me a line

>>>OFF-LIST<<<

at my primary address or at wb2vuo@arrl.net

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 07 Jun 2001 22:21:49 -0400
From: "William Mabry" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [99662] OT:Re: Refarming the Novice bands
Message-ID: <F58nPagMamEWkeMEuw00003914@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Lessee.

No Novice licensees...hmmm...no need for Novice subbands.

Duh...No Novice subbands...no need for Morse-only

(ok, nearly only) U.S. allocation there.

But wait! We still have Amateur Extra Class operators...and, and, and we still have the Extra subbands (CW ones AND ones for that 'other stuff'). OK but promise us (CW ops) that you'll let us keep the lower 25 on 80, 40, 20 and 15...promise ? OK then, plow away...

So long, FCC. Hello, ARRL.

Best regardses.

Bill, N4QA...ARRL (three years at a time) member

ps

I love QRP CW...PSK31 too...

Wonder if there's a MINUS forty-meter band out there somewhere...

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 7 Jun 2001 22:28:34 -0400
From: n3wt@juno.com
To: p326@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [99663] Re: ft-817
Message-ID: <20010607.222835.-309517.0.n3wt@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, there is a very active FT-817 reflector.

<http://groups.yahoo.com/group/FT817>

John, N3WT

On Thu, 07 Jun 2001 15:35:44 -0700 Bob Welch <p326@earthlink.net> writes:

> Is there a reflector for the ft-817.?

>

> Bob

>

>

Date: Thu, 07 Jun 2001 22:45:32 -0400

From: Ken Newman <N2CQ@citnet.com>

To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org, n9avg@amsat.org

Subject: [99664] [CONTEST] QRP Contest Calendar - June 9/10

Message-ID: <3.0.6.32.20010607224532.008804e0@mail.citnet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

~~~~~

## QRP CONTEST CALENDAR

June 9/10, 2001

~~~~~

Portugal Day Contest (SSB)

Jun 9 - 0000z to 2400z

Rules: <http://www.sk3bg.se/contest/portday.htm>

"Work Anyone"

~~~~~

### ANARTS WW RTTY/Digital Contest

Jun 9 - 0000z to Jun 10 -2400z

Rules: <http://home.online.no/~janalme/rules/anarts.txt>

"Australian Test. Work anyone, any digital mode"

~~~~~  
Asia-Pacific Sprint (SSB)

Jun 9 - 1100z to 1300z

Rules: <http://jsfc.org/apsprint/>

"Great DX looking for you"

~~~~~

Top Of Europe Contesters - WW Grid Contest (SSB)

Jun 9 - 1200z to Jun10 - 1200z

Rules: <http://www.qsl.net/toec/contest.htm>

"Boost interest on Grid Square locations on HF"

~~~~~

AND LATER....

~~~~~

All Asian DX Contest (CW)

Jun 16 - 0000z to Jun 17 - 2400z

Rules: <http://home.online.no/~janalme/rules/allasia.txt>

"Asian DX stations a bunch"

~~~~~

West Virginia QSO Party (SSB/CW)

Jun 17 - 1800z to 2400z

Rules: <http://home.online.no/~janalme/htmlrules/qsowv.html>

"Need WVA?"

~~~~~

SP QRP Contest (CW) ... QRP Contest!

Jun 23 - 1200z to Jun 24 - 1200z

Rules: <http://home.online.no/~jana1me/rules/spqrp.txt>

~~~~~  
Marconi Memorial Contest (CW) ... QRP Category

Jun 23 - 1400z to Jun 24 1400z

Rules: <http://www.qsl.net/ik6ptj/marconi.htm>

"Marconi Memorial"

~~~~~  
ARRL Field Day (CW/SSB/RTTY)... QRP Category

Jun 23 - 1800z to Jun 24 - 2100z

Rules: <http://www.arrl.org/contests/announcements/rules-fd.html>

"Everybody will be here"

~~~~~  
QRP ARCI Milliwatt Field Day (ALL)... QRP Contest!

Jun 23 - 1800z to Jun 24 - 2100z

Rules: <http://personal.palouse.net/rfoltz/arci/mwfd.htm>

"Enter your QRP FD group here"

~~~~~  
Thanks to K3WWP, LA9HW, WA7BNM, ARRL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.  
Anyone may use this "QRP Contest Calendar" for your website, newsletter,  
e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ  
N2CQ@ARRL.NET

\*\*\*\* QRP Contest Calendar \*\*\*\*

<http://www.njqrp.org/data/contesting.html>  
<http://www.n3epa.org/Pages/Contest/contest.htm>  
<http://www.qsl.net/cqrp/contests.html>



-----  
Date: Thu, 07 Jun 2001 22:01:47 -0500  
From: Dave Redfearn <n4elm@home.com>  
To: n4qa@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [99665] Re: OT:Re: Refarming the Novice bands  
Message-ID: <3B20401B.9400F5C@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

William Mabry wrote:

>  
> Lessee.  
> No Novice licensees...hmmm...no need for Novice subbands.  
> Duh...No Novice subbands...no need for Morse-only  
> (ok, nearly only) U.S. allocation there.  
> But wait! We still have Amateur Extra Class operators...and, and, and we  
> still have the Extra subbands (CW ones AND ones for that 'other stuff').  
> OK but promise us (CW ops) that you'll let us keep the lower 25 on 80, 40,  
> 20 and 15...promise ? OK then, plow away...  
> So long, FCC. Hello, ARRL.  
> Best regardses.  
> Bill, N4QA...ARRL (three years at a time) member  
>  
> ps  
> I love QRP CW...PSK31 too...  
> Wonder if there's a MINUS forty-meter band out there somewhere...  
> -----  
> Get your FREE download of MSN Explorer at <http://explorer.msn.com>

So, I'll bite, but this is my one and only comment on this issue.

Well, while there are no New Novice licenses being issued, not every Novice has upgraded so there are Novice operators still on the HF bands. Also, the Technicians with CW privileges use the same HF bands/modes as Novices.

Not to mention that all other license classes have CW privileges in those band segments as well.

So, I'm not sure how the ARRL can justify re-farming these HF band segments and displacing the current users.

As a Novice and after upgrading, I have had plenty of QRP QSOs just above 7.100 Mhz and 21.100 Mhz in the Novice band segments, 3,686 Khz is a popular QRP haunt on the east coast, and there seems to be quite a bit of PSK-31 activity around 28.125 Mhz.

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Thu, 7 Jun 2001 20:24:50 -0700 (PDT)  
From: Dennis Doran <wb8wtu@yahoo.com>  
To: Dennis Doran <wb8wtu@yahoo.com>, qrp-1@Lehigh.EDU  
Subject: [99666] Re: FS - Wilderness SST40  
Message-ID: <20010608032450.41066.qmail@web12503.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

The SST has been sold.  
Thanks to all who responded.

73,  
dennis  
WB8WTU

--- Dennis Doran <wb8wtu@yahoo.com> wrote:  
> For sale:  
>  
> Wilderness SST 40  
> tunes 7.0390 to 7.0449  
> stock unit, but has 68pf caps at C6 and C9  
> and 180pf caps at C7 and C8. (standard mod)  
> power output 2 watts.  
> Case is stock, unpainted aluminum.  
> Manual included.  
> Pics available upon request.  
>  
> \$70.00 and I ship.

>  
> Please contact: WB8WTU@Yahoo.com  
>  
> 73,  
> dennis  
> WB8WTU  
>  
>  
> -----  
> Do You Yahoo!?  
> Get personalized email addresses from Yahoo! Mail -  
> only \$35  
> a year! <http://personal.mail.yahoo.com/>

-----  
Do You Yahoo!?  
Get personalized email addresses from Yahoo! Mail - only \$35  
a year! <http://personal.mail.yahoo.com/>

-----  
Date: Thu, 07 Jun 2001 22:21:40 -0500  
From: Mark Prather <wb9hfk@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [99667] T-Kit 1320 help?  
Message-ID: <3.0.6.32.20010607222140.007a4dd0@pop.mail.yahoo.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I've finally gotten around to completing a T-Kit 1320. Everything seems to be working nicely except I have very little transmit power out. I am measuring about 7 volts peak to peak with a scope. All adjustments appear to peak ok, and I've reviewed the parts in the mixer and PA - I just don't see anything wrong. The RF amp transistor is not shorted either.

Has anyone run into this or anything similar? And might possibly point me in the right direction?

Also, is there any list of mods/improvements for this series of rigs?

Thanks!

73,

Mark

Mark A. Prather - WB9HFK  
wb9hfk@yahoo.com  
QRP ARCI # 9472 --- QRP-L # 1159  
Fists # 7606 --- Norcal --- ARRL

-----  
Date: Fri, 08 Jun 2001 03:33:03 +0100  
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>  
To: qrp-l@Lehigh.EDU  
Subject: [99668] [MH101] K8IQY pics, K7Q0 patented IC pad maker, etc.  
Message-ID: <5.0.2.1.0.20010608032124.00a22b40@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

OK, got another 30 or so pictures over on the web page.

1. Jim Kortge, K8IQY, sent me some of his pics of his work in progress. Neat stuff, so it is now online. I added some of my own comments and Jim will give me feedback on my errors, so be patient as this stuff will evolve over the next few weeks with updates, new pics, and comments back and forth between Jim and I. Let's not micromanage the text at this time and I'll take corrections later.
2. I have taken pictures of the technique that I thought out using the hobby miter board and the results I think are very very good. I'll try the pads for ICs on this rig. It works better for me than any other technique I have been shown and tried. And it is cheap.
3. You'll also note that Jim, K8IQY, has gone to the circular pads also using the Harbor Freight punch, which it looks like is going to disappear, but I'm sure some one will find a suitable replacement. Those that waited will have to scramble to the local Harbor Freight stores and find them on the shelf where they can. Look closely at the rectangular

pads in the IF filter. Only one that is close up on that.  
I'll show you my lay out using circular pads.

4. Glen, VE3DNL, reminded me that the balanced input to the NE602 is 3,000 ohms and not 1,500 as in the single input mode, so more testing to be done in this area. So some may want to go with pins 1 and 3 vs. 1 and 2 from the IF can.
5. For the 42IF123. Pins 4 and 6 to the RF input from the RF gain pot. Dave, NN1G, shows the antenna to the wiper of the pot. I'd think I'll try to the top of the pot and the wiper to the IF can. Pins 1 and 3 of the IF can to pins 1 and 2 of the NE602/NE612A (U1).
6. Jim sent me filter response curves and I'll have those in the next few hours hopefully. Gotta run to PHX in the a.m.
7. I need permission from others to link to their pics of their work. So send me email giving me the details. Please.

Film at 11.

dit dit

Chuck Adams, K7QO      CP-60  
Prescott, AZ      k7qo@earthlink.net <http://www.qsl.net/k7qo>

TMPS-2001 Jan 12th -> April 15th, 2001 States = 49 DXCC = 15

States Needed AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7  
PJ ZL2

Moving to Arizona? --- Bring your own water.

-----  
Date: 7 Jun 2001 22:41:27 CDT  
From: Richard Clem <clem.law@usa.net>  
To: qrp-1@Lehigh.EDU  
Subject: [99669] XE2/W0IS QRPedition  
Message-ID: <20010608034127.17505.qmail@nwcst294>  
Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

I apologize if the following is a dupe, but I don't believe the original message went through:

I will be operating this weekend from near Matamoros, Mexico. I plan to operate QRP from the beach on 40 meters (probably around 7040 kHz) running an MFJ 9040, battery powered, with a balloon-suspended vertical.

The current plan is to operate Saturday from approximately 3PM until approximately 7PM U.S. Central time (2000-2400z). The current weather forecast, however, calls for isolated thunderstorms on Saturday. Since thunderstorms might like to isolate themselves near wires floating into the sky, I will keep an eye on the weather. Therefore, if the local weather is bad, I will postpone this until the same time on Sunday.

I will probably \*not\* be able to post any further updates, so check the following link for weather conditions: =

<http://www.weather.com/weather/local/USTX0166?y=3D0&x=3D0> . If you don't hear me Saturday and the weather looks bad, please assume that I'll be QRV Sunday instead.

With an oceanfront vertical and a good ground, I'm hoping to put out a good signal, considering that I'm only running 5 watts. At the least, I would=

think I would do well around the Gulf. I'll try to adjust my operating technique to fit the conditions. If I'm only able to snag a couple of QSO's, then they will be ragchews. If (OK, tell me to dream on) I manage to generate a pileup, I'll switch to more rapid QSOs (at least as rapid as my straight key will allow). If things get hectic, I might use split. Since the RIT on my rig only covers about 5 kHz, that's how far up or down I will be listening. =

If I say I am listening UP, that means that your RIT should be listening DOWN, and vice versa.

Whatever happens, I'll take some pictures and post them on the web. QSL =  
via  
my home address or via the FISTS bureau. =

TNX & 73,  
W0IS, XE2/W0IS

---

Get free email and a permanent address at <http://www.netaddress.com/?N=3D=1>

---

Date: Thu, 7 Jun 2001 21:14:16 +0000  
From: flyer@value.net  
To: qrp-l@lehigh.edu  
Subject: [99670] Red Hot 20 has been sold  
Message-ID: <200106080413.f584DgT08274@mail.value.net>

Thank you all for the bandwidth and your consideration.

Mark Smith W7MTP

---

Date: Sun, 10 Jun 2001 21:20:54 +0000  
From: flyer@value.net  
To: qrp-l@lehigh.edu  
Subject: [99671] Red Hot 20 Has been sold  
Message-ID: <200106080420.f584KJT09781@mail.value.net>

Thank you all for the bandwidth and for your consideration.

Mark Smith W7MTP

---

Date: Thu, 7 Jun 2001 21:18:21 -0600 (MDT)  
From: mugglesto@ecentral.com  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [99672] TWPSK  
Message-ID: <Pine.LNX.4.10.10106072116160.1167-100000@mugleston.mugs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Still don't have my PTT working but I've been given a lot of advice.  
Question, does TWPSK switch the same lines as the Windows programs do?  
My setup works under windows so I know the hardware works but for some  
reason not under Linux

Brad Mugleston, KI00T  
Aurora, Arapahoe Cty, Colorado  
DM79oq 39.692500N 104.802600W  
CQC #170, QRP-L #316, NorCal #2934

-----  
Date: Fri, 8 Jun 2001 08:37:46 +0100  
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [99673] Re: ft-817  
Message-ID: <009901c0efee\$082b8a60\$8bc7883e@LocalHost>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Actually - you probably don't need a Yahoo address. The GQRP list is on  
Yahoo and there is a method by which you can join it by email. So it  
probably works for the FT817 list.

Try sending an email (without subject or text) to ....

ft817-subscribe@yahoogroups.com - to subscribe to the list.

Kind regards  
Tony - G4WIF

----- Original Message -----

From: "Ed Manuel (N5EM)" <n5em@flash.net>

> Yes. Go to <http://www.groups.yahoo.com/>  
> You will need a yahoo email address and user ID to join a group.  
> Then, <http://groups.yahoo.com/group/FT817>  
> Very good list with large archives - just about anything you might  
> want to find out about the FT-817 in those emails.  
>  
> As to a plain old remailer, I don't know of one.  
>  
> Ed, N5EM



-----  
Date: Fri, 8 Jun 2001 01:23:54 -0700  
From: "Kevin Asato" <kevin.k.asato@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [99674] Re: FD Laptop power suggestions  
Message-ID: <00d601c0eff4\$5c2d3860\$8201a8c0@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I haven't looked at your whole power budget but I have used a 12VDC to 120VAC power inverter (140W) with great success while stationary/mobile to power/charge laptops and charge cell phones while on the job. Yes, someone else was doing the driving as I was typing!

Kevin K Asato  
KC6POB  
ADC Tech Support  
800.638.0031 / 714.730.3222 (tel)  
714.730.2400 (fax)

----- Original Message -----  
From: <ed.kwik@delphiauto.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, June 07, 2001 8:44 AM  
Subject: FD Laptop power suggestions

>  
> Looking for tried and true suggestions on how to power my laptop for Field Day.  
> It is a IBM Thinkpad that has 20 volts DC input. Its power cube is rated for 3  
> amps. I can run it for a few hours on the internal battery but it will not last  
> long enough to go all the way. We will not have any generators or other AC  
> sources. What I do have:  
>  
> 3 7AH gel cells  
> 1 4AH gel cell  
> 1 Die Hard auto battery

> 1 12 volt 80ma solar panel  
> 1 Auto battery in the truck that I will be driving to the site.  
> 1 SWL40+  
> 1 NC20  
> 1 Ten Tec Triton IV  
>  
> Thanks  
>  
> Ed AB8DF  
>  
>  
>

-----  
Date: Fri, 8 Jun 2001 05:43:42 -0500  
From: "James Edwards" <jle8@earthlink.net>  
To: "qrp" <QRP-L@LEHIGH.EDU>  
Subject: [99675] ft817  
Message-ID: <013401c0f007\$ebd02d20\$6594fc9e@0016675099>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy folks, a easier way to get on the ft817 group is to send a blank email to ft817-subscribe@yahoo.com you don't have to go to the web sight if you don't want to.

-----  
Date: Fri, 8 Jun 2001 06:18:05 -0500  
From: "N1LN" <n1ln@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [99676] FOX - Peskly Texan Fox Hunt  
Message-ID: <01aa01c0f00c\$b12d8c80\$feb8fea9@im02>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Only FOUR (4) more days to wait for the Pesky Texan's ! ! ! ! !

THE EVENT WILL BE HELD ON:

Date / Time:

UTC: June 13, 2001 @ 01:30 - 03:30 UTC  
CDT: June 12, 2001 @ 20:30 - 22:30 CDT  
Frequency: 40 Meters - 7.035 - 7.055 (perhaps a bit higher and lower)  
Exchange: <Call><RST><State><Name><Power>

NOTE 1: The starting time - trying to allow for our west coast hunters and perhaps some better 40 meter propagation.

NOTE 2: This is a QRP event - the less power the Hounds run - the more points for the Foxes.

Hope you can participate and collect all 20 Texan pelts !

72,  
Bruce

-----  
Date: Fri, 8 Jun 2001 07:21:23 -0400  
From: "Tom" <n1tp@worldnet.att.net>  
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>  
Subject: [99677] Round-base heavy brass telegraph key photos  
Message-ID: <000d01c0f00d\$277209c0\$ab994d0c@tom>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Can you point me to color Internet photos of the beautiful, heavy (4 pounder), ROUND-BASE, expensive brass telegraph key? This key is still available for sale. This round iambic key was the subject of several postings on QRP-L a year or more ago, including a few links to these beautiful color photos I can't remember the name of this world-class key. Many hams consider this key to be the best key ever made.

THANKS in advance.

Tom, N1TP  
Naples, Florida

-----  
Date: Fri, 8 Jun 2001 08:24:13 -0400  
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [99678] RE: Good Deal Coax  
Message-ID: <078F21595FA7D411B87B00805FA728E64A4828@atlexc02ntms.hboc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

For longer lengths... [www.hosfelt.com](http://www.hosfelt.com) 100 feet for \$12.95 + shipping  
(under cables)

Jerry  
W3CDE

-----Original Message-----  
From: JOE PARISELLA [mailto:parisella@earthlink.net]  
Sent: Thursday, June 07, 2001 5:53 PM  
To: Low Power Amateur Radio Discussion  
Subject: Good Deal Coax

New 50ft RG-58u with BNC at both ends.  
\$10.00 shipped.  
parisella@earthlink.net

-----  
Date: Fri, 8 Jun 2001 05:49:45 -0700 (PDT)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [99679] Re: OT:Re: Refarming the Novice bands  
Message-ID: <20010608124945.32365.qmail@web9604.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Actually this is an important topic! spectral use in  
our bands should be dear to our hearts! just a few  
thoughts!

(1) we need some slow CW lanes, particularly for  
learners but also for those who like slower pace CW  
operating. it would be great to retain 25 kHz  
segments in each of the novice bands for this!

(2)we need adequate space for all other digital modes!  
we can't just allocate space for SSB operating. i am  
not anti- any mode, i enjoy each one i am equipped  
for! but had radio is not just a one mode hobby! if  
our bands go 90% SSB we will be the losers for it.

the good news is that the Federal authorities and the  
ARRL have be slow to act in this matter - a good sign.  
I hope they study it carefully, and we owe our inputs  
to the league so i guess that will be the next  
destination for my humble input.

curt wb8yyy

--- William Mabry <n4qa@hotmail.com> wrote:  
> Lessee.  
> No Novice licensees...hmmm...no need for Novice  
> subbands.  
> Duh...No Novice subbands...no need for Morse-only  
> (ok, nearly only) U.S. allocation there.  
> But wait! We still have Amateur Extra Class  
> operators...and, and, and we  
> still have the Extra subbands (CW ones AND ones for  
> that 'other stuff').  
> OK but promise us (CW ops) that you'll let us keep  
> the lower 25 on 80, 40,  
> 20 and 15...promise ? OK then, plow away...  
> So long, FCC. Hello, ARRL.  
> Best regardses.  
> Bill, N4QA...ARRL (three years at a time) member  
>  
> ps  
> I love QRP CW...PSK31 too...  
> Wonder if there's a MINUS forty-meter band out there  
> somewhere...  
>

---

> Get your FREE download of MSN Explorer at  
> <http://explorer.msn.com>  
>

---

Do You Yahoo!?  
Get personalized email addresses from Yahoo! Mail - only \$35  
a year! <http://personal.mail.yahoo.com/>

-----  
Date: Fri, 08 Jun 2001 08:50:56 -0400  
From: Radiohead <hduff@ica.net>  
To: qrp-1@lehigh.edu, p326@earthlink.net  
Subject: [99680] FT-817 reflector  
Message-ID: <3B20CA30.3E424065@ica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yahoogroups has an FT-817 listserver...  
ft817@yahoogroups.com

You will have to 'join' at:  
<http://groups.yahoo.com/group/FT817/database>  
click on "Join This Group" near the top right.

Regards, Hugh VA3TO

Date: Thu, 07 Jun 2001 15:35:44 -0700  
From: Bob Welch <p326@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [99646] ft-817  
Message-ID: <3B2001C0.9B6113DC@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Is there a reflector for the ft-817.?

Bob

-----  
Date: Fri, 8 Jun 2001 09:16:12 -0400  
From: "Brian" <bmurrey@amexol.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [99681] Re: OT:Re: Refarming the Novice bands  
Message-ID: <000701c0f01d\$30be2760\$3d05080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> (1) we need some slow CW lanes, particularly for  
> learners but also for those who like slower pace CW  
> operating. it would be great to retain 25 kHz  
> segments in each of the novice bands for this!

Are talking about speed limits? Would they require enforcement? Isn't CW at any speed already legal on all the ham bands?

> (2)we need adequate space for all other digital modes!  
> we can't just allocate space for SSB operating. i am  
> not anti- any mode, i enjoy each one i am equipped  
> for! but had radio is not just a one mode hobby! if  
> our bands go 90% SSB we will be the losers for it.

Everytime I try SSB, I am quickly reminded how wonderful CW is. <grin>

OK...I see what you are advocating is a new volunteer band plan. Personally I think we just need more bands.

73

-----  
Date: Fri, 8 Jun 2001 09:23:16 -0400  
From: "ss lyon" <sslyon@megalink.net>  
To: <Ronald\_A\_Pfeiffer@raytheon.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [99682] SSB RAGCHEW: Thurs 14.285 (??)  
Message-ID: <002801c0f01e\$2ddfca20\$5d8798ce@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Welllllll... sort of. I did hear (I think) AC5T and someone talking about an 817, and I did work Jim, K4GT with his K2 -first Q on SSB. Propagation was GREAT... but that may have been the problem. Too long for most of us. Worked LA9VDA, 9A1CAH, and on 30m, N1RL/VY2 all w/good reports. I'd like to try the RAGCHEW again, tho, what do you think?

72 / 73,

"Seab" Lyon - AA1MY  
Bethel, ME 04217 USA

FN44nj  
Seabury & Sharon Lyon  
99 Sparrowhawk Mtn Rd  
Bethel, Me, 04217 U.S.A.  
207-836-2576

-----  
Date: Fri, 8 Jun 2001 08:29:14 -0500  
From: "Michael Melland" <w9wis@charter.net>  
To: <n1tp@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-  
l@lehigh.edu>  
Subject: [99683] Re: Round-base heavy brass telegraph key photos  
Message-ID: <001701c0f01f\$02e9c0e0\$3a928ad8@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hmmmmmm..... could this be Mike March's keys ? Try:  
<http://www.qsl.net/k4qu/>

73 de Mike, W9WIS

--  
Michael Melland, W9WIS  
Winneconne, Wisconsin USA EN54pc  
qrp-l #1656 - qrp-parci # 9875 - iparc #252  
<http://www.qsl.net/w9wis>

-----  
Date: Fri, 8 Jun 2001 09:36:43 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <jdilorenzo3301@altavista.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [99684] Re: Poor Dipole SWR  
Message-ID: <1010508093644.JAE14104@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 6/4/01 9:05 AM, John DiLorenzo at [jdilorenzo3301@altavista.com](mailto:jdilorenzo3301@altavista.com) wrote:

>I have a 20M dipole that includes a balun installed in my attic. I  
>measure an SWR of over 4:1 to this antenna. Each leg is 16'8" in length.  
>My question is, is this poor match due to it being in my attic, or should  
>I suspect that the balun may be bad or incorrect? (it's labeled 1:1, but



>maybe in reality, it is a 4:1 balun). I don't have much test equip other  
>than a SWR/PWR meter, and my rig, an RH-20.

Find a local ham that has an antenna analyser. You can then sweep the  
spectrum around the 20m band and find out where the antenna really is  
resonant.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 8 Jun 2001 09:36:38 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <ne4o@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [99685] Re: multiband dipole ant  
Message-ID: <1010508093638.JAC14104@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 6/5/01 8:53 PM, DENNIS SMITH at ne4o@swbell.net wrote:

>Hello group I need your opinions on a antenna problem i am having. I cant  
>put up a full size 75 diople so i am having to do the next best thing. My  
>antenna will be a inverted vee 45 feet in the center and 50 ft both sides of  
>center fed with 450 ladder line into a mfj 300 watt roller inductor tuner. I  
>plan to use a 4 to 1 balun outside the house and run rg213 inside. Is this  
>configuration one that will let me work 75 40 30 and 20 meters???

Should work great. That's almost exactly the configuration I have,  
although my doublet is 65 feet per leg, and it is currently only at 20  
feet. Higher is definitely better.

I recently got an automatic antenna tuner, which really helped limit the  
knob-turning I have to do to use the doublet.

You may want to use a 1:1 balun instead of the 4:1. Given the reactive  
impedances involved, the 4:1 transformation doesn't really apply. Also,  
use an over-sized balun. Mine is a 2 kW design, and I never run over 100  
watts.

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

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Date: Fri, 8 Jun 2001 09:40:14 -0400  
From: "AI2Q Alex" <ai2q@adelphia.net>  
To: <n1tp@worldnet.att.net>, "'Low Power Amateur Radio Discussion'" <qrp-  
l@Lehigh.EDU>  
Subject: [99686] RE: Round-base heavy brass telegraph key photos  
Message-ID: <000101c0f020\$8cbead20\$df0cf618@alex>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Tom:

You may be referring to the Mercury key, the brainchild of the late (and great) Steve Nurkewicz, N2DAN, otherwise known by the CW fraternity as Dan. He was my neighbor for quite a few years when I lived in Freeport, NY. He became an SK a few years ago, and others have taken over his design.

I will never forget him telling me, during a tour of his shop, that he couldn't find subcontractors to do the high quality work needed to make these keys on a high-volume commercial basis. He showed me some of the parts he had received back from a subcontractor, and he compared them to the parts he had machined in his garage workshop. The differences were clear--even to my non-machinist's eye.

Good luck. Maybe you'll acquire an N2DAN original Mercury paddle!

Vy 73, AI2Q, Alex in Kennebunk, Maine    QRP-L    687    .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Tom  
Sent: Friday, June 08, 2001 7:21 AM  
To: Low Power Amateur Radio Discussion  
Subject: Round-base heavy brass telegraph key photos

Can you point me to color Internet photos of

the beautiful, heavy (4 pounder), ROUND-BASE,  
expensive brass telegraph key? This key is still available  
for sale. This round iambic key was the subject of  
several postings on QRP-L a year or more ago,  
including a few links to these beautiful color photos  
I can't remember the name of this world-class key.  
Many hams consider this key to be the best key ever made.

THANKS in advance.

Tom, N1TP  
Naples, Florida

-----  
Date: Fri, 8 Jun 2001 09:55:20 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [99687] Re: multiband dipole ant  
Message-ID: <015a01c0f022\$ad4f8d00\$6b01a8c0@INSYDENT>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

On 6/5/01 8:53 PM, DENNIS SMITH at ne4o@swbell.net wrote:

>Hello group I need your opinions on a antenna problem i am having. I  
cant  
>put up a full size 75 diople so i am having to do the next best thing.  
My  
>antenna will be a inverted vee 45 feet in the center and 50 ft both  
sides of  
>center fed with 450 ladder line into a mfj 300 watt roller inductor  
tuner. I  
>plan to use a 4 to 1 balun outside the house and run rg213 inside. Is  
this  
>configuration one that will let me work 75 40 30 and 20 meters???

I originally was going to put up an 80M dipole. But scratched that idea  
when I realized the only way to do it was diagonally on my lot, and it  
would  
be near the power. So I elected to put the antenna across the back  
yard. It's a 40M dipole fed with 300 ohm foam twinlead. There's about  
30 feet of twinlead from the center to the house, then through the  
window.

I then have a 6foot length of RG-58 with a BNC on one end and a clips on the other. This then goes to my K2 (with an ATU installed).

I've done some experimenting and I can't really detect a difference in performance between feeding it with the RG-58 clipped directed to the twinlead and with a 4:1 balun in the circuit.

The antenna works great. I have to retune from end to end on 80M, 15M, and 10M, but that's not a big deal. 40M interferes with my computer speakers though. But none of the other bands. 30M is touchy, but does tune up.

17M works FANTASTIC!!!!

Mike

-----  
Date: Fri, 8 Jun 2001 09:14:59 -0500  
From: "Mike D." <hrg@cifnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [99688] RE: Round-base heavy brass telegraph key photos  
Message-ID: <000e01c0f025\$66d70e40\$032dbbd0@bozo>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Can you point me to color Internet photos of  
> the beautiful, heavy (4 pounder), ROUND-BASE,  
> expensive brass telegraph key? This key is still available  
> for sale. This round iambic key was the subject of  
> several postings on QRP-L a year or more ago,  
> including a few links to these beautiful color photos  
> I can't remember the name of this world-class key.  
> Many hams consider this key to be the best key ever made.

Perhaps you are referring to the Hensley paddles.

<http://www.qsl.net/n9bor/hensley.htm>

73 de Mike, N9BOR  
FISTS MAC SMC SOC ZUT  
<http://www.qsl.net/n9bor>  
MAC <http://www.qsl.net/mac>

di dah dit - The only Roger Beep you'll ever need.  
My designated driver is a 12BY7A.

-----  
Date: Fri, 8 Jun 2001 10:15:49 -0400  
From: ed.kwik@delphiauto.com  
To: qrp-l@Lehigh.EDU  
Subject: [99689] Summary FD Laptop power suggestions  
Message-ID: <05256A65.004EA5EF.00@notes.delphiauto.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Thanks everyone who gave me advice. Most suggested I get a DC to AC inverter and run the laptop off of that. That's the way I am going to go since I need to have one of these things around anyhow. Put one on my Fathers day list. Other suggestions included; DC to DC step up converter to get the 12VDC to 20 VDC, paralleling two of the 12VDC batteries together to get 24VDC and then into a regulator circuit for the 20VDC, getting an accessory for the laptop designed to run my Thinkpad from auto power.  
AB8DF Ed Kwik

-----  
Date: Fri, 08 Jun 2001 07:35:42 -0700  
From: Louis Hlousek <lhhousek@nvhbell.net>  
To: wb8yyy@yahoo.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [99690] Re: OT:Re: Refarming the Novice bands  
Message-ID: <022401c0f028\$4ba904e0\$650dfea9@0016297931>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

<<<we need some slow CW lanes, particularly for  
learners but also for those who like slower pace CW  
operating. >>>

Absolutely but these don't need to be established by regulation. They  
can be made part of the voluntary band plans.

The novice segment is not an additional or separate part of the RF spectrum. It is contained within spectrum already allocated for CW and data mode use by G, A and E classes. The elimination of the novice license doesn't change this and should have no bearing on the allocation of this band segment.

It appears to me that the ARRL wants to change the band allocations and is using the elimination of the novice license as red herring.

Personally, I'm happy with the way the bands are allocated now but I don't believe that means the allocations shouldn't be studied and perhaps changed to better serve the needs of all hams.

Lou W7DZN

-----  
Date: Fri, 8 Jun 2001 08:28:39 -0700  
From: "JOE PARISELLA" <parisella@earthlink.net>  
To: <qrp-1@lehigh.edu>  
Subject: [99691] WTB 10 meter 642/742 module  
Message-ID: <01c0f02f\$b18fe2e0\$d286b3d1@a>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----  
Date: Fri, 8 Jun 2001 11:48:58 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: "QRP" <qrp-1@Lehigh.EDU>  
Subject: [99692] Re: Source for 250pF polyvaricon caps?  
Message-ID: <1010508114858.LAA26219@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 6/2/01 1:37 PM, Leon Heller at leon\_heller@hotmail.com wrote:

>>Does anyone have a source for 250pF polyvaricon caps?

Excuse my ignorance, but what the heck is a polyvericon capacitor?

(Consider it payback for all the antenna answers I've submitted in the

past....)

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 8 Jun 2001 11:51:11 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <EI6IZ@oceanfree.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [99693] Re: Source for copper foil tape?  
Message-ID: <1010508115111.LAA26369@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 5/31/01 9:07 PM, Brendan Minish at EI6IZ@oceanfree.net wrote:

>Find a local Stained Glass artist, they use it all the time so that they  
>can solder the lead around pieces of glass. it comes on rolls of varying  
>width and usually has a sticky backing.

Actually, stained glass artists use copper foil INSTEAD OF lead. You  
don't usually use both at the same time.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 8 Jun 2001 10:44:35 -0500  
From: "Mike Malone" <mmalone@worldlogon.com>  
To: <aa4lr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [99694] Re: Source for 250pF polyvaricon caps?  
Message-ID: <001f01c0f031\$ec153350\$4800000a@nationwiswqrjt>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Its those funky little transistor radio variable capacitors that you strip  
out of junk transistor am radios. Been using em for lowbuck qrp antenna  
tuners

----- Original Message -----

From: "Bill Coleman" <aa4lr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, June 08, 2001 10:48 AM

Subject: Re: Source for 250pF polyvaricon caps?

> On 6/2/01 1:37 PM, Leon Heller at leon\_heller@hotmail.com wrote:

>

> >>Does anyone have a source for 250pF polyvaricon caps?

>

> Excuse my ignorance, but what the heck is a polyvericon capacitor?

>

> (Consider it payback for all the antenna answers I've submitted in the  
> past....)

>

> Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net

> Quote: "Not within a thousand years will man ever fly!"

>                      -- Wilbur Wright, 1901

-----

Date: Fri, 8 Jun 2001 11:57:21 -0400

From: "Ronald A Pfeiffer" <Ronald\_A\_Pfeiffer@raytheon.com>

To: neqrp@jona1.net, qrp-1@Lehigh.EDU

Subject: [99695] Re: SSB RAGCHEW: Thurs 14.285

Message-ID: <0FEAC160CD.33645A77-ON85256A65.0057646F@and.us.ray.com>

MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

Called CQ on 14.280 with no success then heard fellow  
qrp'r from texas on an FT-817 so I moved to 14.286 and  
called cq again to no avail. Moved K2 to garage where  
I have my coax for an R7000 vertical and the texas QS0  
came in louder but he could not hear me. I guess no  
one heard me!

Maybe it was too early for 20 meters to take off??

Ron - N1ZSW

-----

Date: Fri, 08 Jun 2001 16:08:56 -0400

From: Wes Clopton <W3ERU@DRIX.NET>



To: qrp-l@lehigh.edu  
Subject: [99696] Thanks  
Message-ID: <5.1.0.14.2.20010608160417.00a06870@204.245.170.31>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

To My friends on QRP-L,

I read the Digest every day, Have for a couple of years. I follow each thread almost like a soap opera and have found humor and seriousness to abound in each.

Having been a Ham for 46 years now, I've followed the flow from a 606 transmitters built on wood from a apple crate to the 2N2/40 made Manhattan style.

That's what amateur radio is all about and I've enjoyed the trip. It's a passion for me to get excited with the new ideas, some being old techniques reborn.

The computer and the Internet have expanded our horizons of knowledge beyond the local library. That's where I began my adventure in Amateur Radio in 1954.

After serving in the US Navy as a Radioman at sea aboard Destroyers and Submarines, when CW was the mode of communications, I feel CW is amateur radio.

Now to the meat of this posting.. I wanted to Thank a couple of people.

Brian, K7RE, thanks for your great contesting program, QRPDUPÉ. It has given me a way to continue CW Contesting even with a handicap trying to stop me. I'm not out to win, just enjoy doing it.

NA5N Paul, W5YR George, K7QO Chuck, W1RFI ED and many others who ELM ER, advise and guide on QRP-L. You all make a great team to aid Amateur Radio.

THANK YOU, Wes Clopton  
W3ERU

W3ERU Wes  
ARRL  
FISTS #2099  
QRP/ARCI 8304  
QRP-L 2179  
CW is my Mode

-----

Date: Fri, 8 Jun 2001 12:23:25 -0400  
From: "Hartwell, Martin" <mehartwell@att.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [99697] Nixie tubes, and SWL receiver  
Message-ID: <177C519EE5CCD31195390090278539D304318573@njb140po04.ems.att.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hello Ya'll

I have been cleaning up my basement/ham shack. You know spring and all that. I found some maybe ten I don't know some nixie tubes. Does anyone want to hazard a guess as to value, want to make an offer?

Second topic. I have an SWL receiver I may be interested in selling. Is there a mail group like this one for short wave listening? I would register there also, as I have an interest there also. If anyone is interested in a good short wave receiver (Lowe HF150) send email to the home address listed below in the sig lines.

Marty Hartwell  
Home Email chartwell@att.net  
Work Email mehartwell@att.com  
AT&T  
8372 E. Broad St.  
Reynoldsburg, OH 43068-9779  
2B15  
Phone 614-501-2503

-----  
Date: Fri, 8 Jun 2001 11:26:01 -0500  
From: Scott McCullough <mcwood@cornhusker.net>  
To: <qrp-l@lehigh.edu>  
Subject: [99698] SLV Question  
Message-ID: <200106081626.LAA07192@go.bigred.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I built a St. Louis Vertical according to the original= instructions with 51' of wire in the coil and a 17' radiator.

I have found my SLV to be VERY touchy on 20m to tune with my=

ZM-2. Other bands tune very easily. I'm going to start over. I= am thinking about focusing this antenna for good performance on= 20 and if I can tune higher and lower bands fine . . . if not,= oh well.

My question is this: The Black Widow pole is just short of 20'.= Would it be better to work toward a 20m 1/2 wave with a coil and= radiator, or just skip the coil and use a 1/4 wave radiator?= With a 1/2 wave, since basically 1/4 wave would be in the coil,= would it perform any better than just the 1/4 wave alone?

Thanks,  
Scott ~ NB0W

-----  
Date: Fri, 8 Jun 2001 10:55:43 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Wes Clopton <W3ERU@DRIX.NET>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [99699] Kudos to QRP-L; was Re: Thanks  
Message-ID: <Pine.SUN.4.10.10106081025590.11795-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 8 Jun 2001, Wes Clopton wrote:

> After serving in the US Navy as a Radioman at sea aboard  
> Destroyers and Submarines, when CW was the mode of communications, I  
> feel CW is amateur radio.

I think many feel that way. There will always be a "romance" for CW by some; it will remain a mode regardless of future "legal" changes to the hobby. I truly believe that. And there's also a fair number of guys on QRP-L that are ex-sub as well. I'm ex-ET1(ss), SSBN-601 (G).

> Now to the meat of this posting..  
> I wanted to Thank a couple of people

> Brian, K7RE, ... NA5N Paul, W5YR George, K7QO Chuck, W1RFI ED and many  
> others who ELMER, advise and guide on QRP-L.  
> You all make a great team to aid Amateur Radio.  
> THANK YOU, Wes Clopton, W3ERU

Wes, this is a very nice post, and thanks for the time to say so. Once

in awhile it is very appropriate to acknowledge the GOOD, when we often dwell on the bad.

TO DWELL ON THE GOOD: I would likewise like to THANK ALL QRP-L MEMBERS for such a great group. QRP-L has had a few ups-and-downs over the past couple of years, growing and trying to adjust to the whole internet thing. Past attempts to control it only severely limited the content and drove many good contributors away. QRP-L has basically been an open, unmoderated group now for many months, and I think it has run JUST FINE due to the self-control we exercise on the group, just as we hams must on the air. Frankly, I find the occasional off-topic (OT) and humorous threads to be enjoyable and a nice break to the day ... and always impressed at how they are self-regulating, that is - a few posts and it's over within a day. And the quality of informative/educational technical posts has steadily increased. It's a very enjoyable daily read for me, and I think many others. I consider you all my friends.

So here's a big slap on the back to every QRP-L subscriber that has shown the self-discipline to keep this group great, relatively on track, good manners, clean language, etc. It makes it the best group on the information highway. And for those lurkers on qrp-l, always feel free to post when you feel you have something to contribute.

And thanks, Wes, for saying it first!!!

72, Paul NA5N  
QRP-L #038

-----  
Date: Fri, 08 Jun 2001 10:03:02 -0700  
From: "laura halliday" <marsgal42@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [99700] Re: OT: Save BBC Coalition  
Message-ID: <F2628aii08N8yxdZjfn00003bfa@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

While U.K. TV licence fees do in fact fund domestic BBC radio and television services, they do *\*not\** fund the World Service. This is paid for by the Foreign and Commonwealth Office. Have a look at their web page.

<<http://www.bbc.co.uk/worldservice/us/index.shtml>>

Laura Halliday VE7LDH      "Que les nuages soient notre

Grid: CN89mg                      pied a terre..."  
ICBM: 49 15.042 N 122 59.053 W       - Hospital/Shafte

---

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

-----  
Date: Fri, 8 Jun 2001 10:11:00 -0700 (PDT)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-l@lehigh.edu>  
Subject: [99701] RE: G5RV Balun Use Question  
Message-ID: <20010608171100.2214.qmail@web10001.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- David Ek <ekdave@earthlink.net> wrote:

My recollection on the G5RV is that Varney's article (I think it's in  
> one of the ARRL Antenna Compendia) said \*not\* to use a balun.  
> Unfortunately, I don't have the original article in handy, but I did  
> when I built my mini-G5RV (without a balun) and have no trouble  
> tuning it up between 40 and 10 meters.

Though I do reccomend highly that you coil the coax in a bunch of turns  
and tape it where it meets the ladder line. I and a fellow ham both had  
to do that to keep the RF from flowing down the the outside of the coax  
and getting into our radios.

73!

Jeff

=====  
AB6MB  
NorCal QRP Club #65, QRP-L #1780, ARCI 10071  
Radical FIST Member 6798

---

Do You Yahoo!?  
Get personalized email addresses from Yahoo! Mail - only \$35  
a year! <http://personal.mail.yahoo.com/>

-----  
Date: Fri, 8 Jun 2001 10:17:01 -0700 (PDT)  
From: Jeff <fantbb@yahoo.com>

To: qrp qrp <qrp-l@lehigh.edu>  
Subject: [99702] Re: multiband dipole ant  
Message-ID: <20010608171701.45188.qmail@web10006.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- Bill Coleman <aa4lr@arrl.net> wrote:  
> On 6/5/01 8:53 PM, DENNIS SMITH at ne4o@swbell.net wrote:  
>  
> >Hello group I need your opinions on a antenna problem i am having.  
> I cant  
> >put up a full size 75 diople so i am having to do the next best  
> thing. My  
> >antenna will be a inverted vee 45 feet in the center and 50 ft both  
> sides of  
> >center fed with 450 ladder line into a mfj 300 watt roller inductor  
> tuner. I  
> >plan to use a 4 to 1 balun outside the house and run rg213 inside.  
> Is this  
> >configuration one that will let me work 75 40 30 and 20 meters???

Another easier way to get away from the balun is to coil the coax in  
bunch of turns and tape it where it meets the ladder line. You  
basically have a G5RV there and it was highly reccomend NOT to use a  
balun with it due to high reactances. You should have no problems  
tuning it up on the various bands without that balun. Also if you want  
to get a good idea of what kind of reactances and what your antenna  
patterns will look like go to W7EL's web site and download his EZNEC  
antenna design demo program. It's at;

<http://www.eznec.com>

73!

Jeff

=====

AB6MB  
NorCal QRP Club #65, QRP-L #1780, ARCI 10071  
Radical FIST Member 6798

-----  
Do You Yahoo!?  
Get personalized email addresses from Yahoo! Mail - only \$35  
a year! <http://personal.mail.yahoo.com/>

-----  
Date: Fri, 8 Jun 2001 13:57:06 -0400  
From: ed.kwik@delphiauto.com  
To: qrp-l@Lehigh.EDU  
Subject: [99703] OT Kinda - Antenna Modeling  
Message-ID: <05256A65.0062D094.00@notes.delphiauto.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I been modeling my FD 2 element 15 meter Yagi. Is the spacing between elements in EZNEC, center to center or outer diameter to outer diameter or something else?  
AB8DF Ed Kwik

-----  
Date: Fri, 08 Jun 2001 13:01:59 -0500  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [99704] Re: SLV Question  
Message-ID: <5.1.0.14.0.20010608121203.026de660@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Scott,

The SD-20 pole is typically 19.5', maybe a few inches longer in the winter when the fiberglass shrinks in severe cold. I have not used the Black Widow so can't comment on it specifically.

If tuning is touchy on 20M (or any other band) experiment with adding/subtracting a couple of feet to the twinlead feedline. This may move the problem to another band or solve the problem, but you never know until you try.

Adding more radials other than the three folded radials specified for the original design may contribute to better tuning as well as improve on-air performance, especially on the lower design bands. I used up to six folded radials before converting to St. Louis Radials. Now, for convenience, I use eight or nine ribbons for portable operations but with all conductors cut to an 8th-wave on the lowest operating band.

The original SLV was conceived as a simple remotely tuned portable vertical

covering 10-40M. If you only wish to work 20M there is no real benefit to building the original design. I would simply suspend a quarter-wave wire from the pole. The feedpoint can be located at ground level per the original plans or suspended as high as 3'. Convert to a coax feedline such as RG-58 and prune the wire into resonance.

Trusting this is helpful information for you.

Good luck,

de Dave, NF0R      nf0r@slacc.com

At 11:26 AM 6/8/01 -0500, you wrote:

>I built a St. Louis Vertical according to the original instructions with  
>51' of wire in the coil and a 17' radiator.

>

>I have found my SLV to be VERY touchy on 20m to tune with my ZM-2. Other  
>bands tune very easily. I'm going to start over. I am thinking about  
>focusing this antenna for good performance on 20 and if I can tune higher  
>and lower bands fine . . . if not, oh well.

>

>My question is this: The Black Widow pole is just short of 20'. Would it  
>be better to work toward a 20m 1/2 wave with a coil and radiator, or just  
>skip the coil and use a 1/4 wave radiator? With a 1/2 wave, since  
>basically 1/4 wave would be in the coil, would it perform any better than  
>just the 1/4 wave alone?

>

>Thanks,

>Scott ~ NB0W

-----  
Date: Fri, 8 Jun 2001 13:24:45 -0500 (CDT)  
From: ac5ez@webtv.net (Larry)  
To: qrp-1@Lehigh.EDU  
Subject: [99705] Lurkers  
Message-ID: <27689-3B21186D-628@storefull-116.iap.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

Paul



Thanks for remembering those of us who just lurk :)

K1zw  
Larry  
Qcwa

-----  
Date: Fri, 8 Jun 2001 14:40:40 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <mmalone@worldlogon.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [99706] Re: Source for 250pF polyvaricon caps?  
Message-ID: <1010508144041.0AA06654@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 6/8/01 11:44 AM, Mike Malone at mmalone@worldlogon.com wrote:

>Its those funky little transistor radio variable capacitors that you strip  
>out of junk transistor am radios. Been using em for lowbuck qrp antenna  
>tuners

OK, I get it.

I probably have a half-dozen of these in my junk box. I've never liked them because their voltage ratings are pretty poor. I prefer air variables, which are equally interesting to find....

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 08 Jun 2001 15:28:48 -0400  
From: John Wagner <john@neknetwork.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [99707] MH101: \*F^S\*(^!(  
Message-ID: <3B212770.B9451701@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I mistakenly ordered only one NE5532 but require two.

If someone has one they wouldn't mind parting with, I would be most appreciative. I can trade a favor, a part, or cash - just don't want to do a mouser order for one part.

73,

John, KB1ENS

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)  
Web page: <http://www.neknetwork.com>

-----  
Date: Fri, 08 Jun 2001 12:44:24 -0700  
From: Jeff Stai WK6I <[jstai@home.com](mailto:jstai@home.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [99708] Re: multiband dipole ant  
Message-ID: <5.1.0.14.2.20010608123952.03647660@mail>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 05:53 PM 6/5/01, DENNIS SMITH wrote:

>Hello group I need your opinions on a antenna problem i am having. I cant  
>put up a full size 75 diople so i am having to do the next best thing. My  
>antenna will be a inverted vee 45 feet in the center and 50 ft both sides of  
>center fed with 450 ladder line into a mfj 300 watt roller inductor tuner. I  
>plan to use a 4 to 1 balun outside the house and run rg213 inside. Is this  
>configuration one that will let me work 75 40 30 and 20 meters???  
>Thanks for the advise. Dennis Smith ne4o

Dennis - it should work fabulously - in general, put up as long a dipole as you can

(even if you have to turn corners) and put it as high as you can. Worked a lot of DX with a 40m dipole fed with ladder line at only 20 feet, with 1/3 of each leg turning a 90 degree corner. Worked the world last fall for JOTA with a ladder line fed dipole 100 feet each leg, 50 feet above ground. good luck! - jeff wk6i

jeff stai  
radio stuff: WK6I in DM13  
rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.  
email: [jstai@home.com](mailto:jstai@home.com) or [wk6i@arrl.net](mailto:wk6i@arrl.net)  
ROC web page: <http://www.rocstock.org/>  
LDRS web page: <http://www.ldrs20.org/>

-----  
Date: Fri, 8 Jun 2001 16:08:50 -0400 (EDT)  
From: "qrpdx@earthlink.net" <qrpdx@earthlink.net>  
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [99709] Wanted: MV1404 varactors  
Message-ID: <200106082008.QAA14001@gxpvs01>

Anybody have a dozen of these, please let me know.  
Alan, N3BJ

-----  
Date: Fri, 8 Jun 2001 16:42:23 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: "MA" <martin@hopeandallen.com>, "QRP" <qrp-1@Lehigh.EDU>  
Subject: [99710] Re: Poor Dipole SWR  
Message-ID: <1010508164224.QAA17062@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 6/8/01 3:14 PM, MA at martin@hopeandallen.com wrote:

>Bill for my money take the balun out! And take a reading bottom, middle and  
>top of the band that will tell you if you are short or long on the wires,  
>typically the 496/f will give you some place to start but you have to trim to  
>fit the frequency and for the attic.....have you seen my web site?

Unless the balun is faulty, it shouldn't have a dramatic effect on the  
SWR. It's main purpose in this case is to avoid feedline radiation to get  
a clean pattern.

For years and years, I tried to adjust antennas taking readings within  
the ham bands, as you suggest. It was always such a guessing game,  
particularly with poorly-resonant antennas whose bad SWR didn't change  
much across the band.

Then one day, I borrowed a friends MFJ-259 analyzer. It was like night  
and day. I was able to set up a delta loop in no time flat. When I  
started to buy things for my tower fund, the MFJ-259 was one of the first  
items on my list.

If you are going to do a lot of antenna experimenting, I recommend an  
antenna analyzer. It can quickly answer questions that aren't readily  
apparent from SWR or GDO readings.

BTW:

(492/f gives you the wavelength (in feet) in FREE SPACE for a given

frequency. For antennas, you have to include the velocity factor. For wire antennas, this is about .95, so you end up with  $468/f$ .)

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 8 Jun 2001 15:46:02 -0500  
From: "Rick Austin" <rick@ltcable.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [99711] Source of Solid Enameled Wire  
Message-ID: <008d01c0f05c\$08a40bc0\$0201a8c0@ricksnote>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Folks,

I need to wind two toroids, one each for a Z-Match and a 4:1 balun. I plan to use #22 for the former and #28 for the latter. My usual junkie supply only sells these in one pound reels which contain 500' and 1000' respectively. Total cost of both is \$23.00 plus tax. I think 100' of each might constitute a lifetime supply for me, so I don't want to spend the 23 bucks which brings me to my question: Where does one go for smaller quantities of these?

Rick Austin in Austin (TX, of course)  
KD5LAQ

PS: In the event you want to know how old I am, let's just say I don't need a fake ID to buy margaritas at Chuy's on Barton Springs Road.

-----  
Date: Fri, 08 Jun 2001 15:35:24 -0500  
From: "Steve Yates, AA5TB" <aa5tb@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [99712] Re: Source for 250pF polyvaricon caps?  
Message-ID: <001a01c0f05a\$8ef026c0\$b6713ed8@pavilion>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

That's another nice thing about QRP - the voltage ratings of capacitors are unimportant for many applications :-)

I found that they work nice for end-fed halfwave antenna couplers:

<http://www.geocities.com/aa5tb/coupler.html>

73,  
Steve Yates - AA5TB  
Fort Worth, Texas  
Grid Square: EM12gs  
[aa5tb@arrl.net](mailto:aa5tb@arrl.net)  
<http://www.geocities.com/aa5tb/>

----- Original Message -----

From: "Bill Coleman" <[aa4lr@arrl.net](mailto:aa4lr@arrl.net)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Sent: Friday, June 08, 2001 1:40 PM  
Subject: Re: Source for 250pF polyvaricon caps?

> On 6/8/01 11:44 AM, Mike Malone at [mmalone@worldlogon.com](mailto:mmalone@worldlogon.com)  
wrote:  
>  
> >Its those funky little transistor radio variable capacitors  
that you strip  
> >out of junk transistor am radios. Been using em for lowbuck  
qrp antenna  
> >tuners  
>  
> OK, I get it.  
>  
> I probably have a half-dozen of these in my junk box. I've  
never liked  
> them because their voltage ratings are pretty poor. I prefer  
air  
> variables, which are equally interesting to find....  
>  
>  
>  
> Bill Coleman, AA4LR, PP-ASEL                      Mail: [aa4lr@arrl.net](mailto:aa4lr@arrl.net)  
> Quote: "Not within a thousand years will man ever fly!"  
>                      -- Wilbur Wright, 1901  
>

-----  
Date: Fri, 08 Jun 2001 20:47:09 +0100  
From: Larry Cahoon <lejek@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [99713] Re: OT: Save BBC Coalition  
Message-ID: <5.0.2.1.0.20010608204016.009f32e0@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:03 AM 06/08/01 -0700, laura halliday wrote:  
>While U.K. TV licence fees do in fact fund domestic  
>BBC radio and television services, they do *\*not\** fund  
>the World Service. This is paid for by the Foreign and  
>Commonwealth Office. Have a look at their web page.

This just points up the fact that governments will find a way to tax you somehow to provide the services(?) they decide you need/want. I still thank our friends in G-Land for paying a tax to give those of us on this side of the pond the services of the BBC all these years. It really doesn't matter that they don't pay for it as part of the TV tax, they still pay for it.

We see this kind of thing down here all the time between the states. VA taxes you on your car each year, MD does not. Residents of VA fuss about the "car tax." But in the end MD just finds a different way to collect it's taxes. It all comes to the same thing. A smart politician finds a way to tax you that you don't notice. A smart taxpayer finds a tax he can make unpopular or a program he can get rid up.

73 de Larry.....WD3P in MD  
<http://www.qsl.net/wd3p/>

-----  
Date: Fri, 8 Jun 2001 16:53:46 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "NJQRP" <NJQRP@njqrp.org>  
Subject: [99714] NJQRP kits - availability update  
Message-ID: <000301c0f05e\$5d7080a0\$caca9cce@ghlpt4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hi Folks -

Here's an update on the kits & other things available from the NJQRP Club.

#### PSK80 "WARBLERS"

Due to the incredible interest and demand for kits brought about by the QST article this springtime, we ran out of inventory and had to go back for another round of parts from our suppliers. We're shipping again and most of the backlog of orders have gone out this week, thanks to the tireless effort of Joe Everhart N2CX and his band of Warbler sub-kitter volunteers in the club. There's only a small handful of most recently-received orders yet outstanding, but we'll be able to handle those in the coming two weeks. Thanks to all for your patience and support throughout this project. (We're up to about 1500 of these PSK31 transceivers sold around the world What a fun and easy mode!) See <http://www.njqrp.org/warbler> for all details.

#### PSK31 AUDIO BEACON

The Interest in this project hasn't diminished since Atlanticon QRP Forum in March, and we've recently added a full-blown real p board to the kit. (Previously, this had been a Manhattan-style construction project only.) Additionally, we've added an RS-232 serial port to the board which allows one to change the pre-programmed beacon string in the microcontroller, or to use the Beacon project in a real-time manner as a PSK31 audio generator that one could connect into an SSB transmitter. Think of it as the transmit-side of a PC-less PSK31 controller ;;-) See <http://www.njqrp.org/psk31beacon> for all details.

#### K8IQY "4017 TRANSVERTER"

The interest voiced during this spring's Ft Smith Arkiecon QRP Forum resurfaced this popular Manhattan-style kit designed by master builder Jim Kortge, K8IQY. This "bag-o-parts" kit includes all parts, connectors, copper-clad board material and a super manual describing how to assemble Jim's 40-to-17 Meter transverter. His project was a featured presentation at Pacificon, Atlanticon, Arkiecon and FDIM! Many of you have seen the project and once again you have the chance to build it! See <http://www.njqrp.org/4017> for all details.

#### PSK-20 SPECIALTY PARTS

For those who wish to "roll their own" PSK31 transceiver for 20m, based on the popular NN1G/Small Wonder Labs design, you can still get a set of the hard-to-get parts from the NJQRP. Toroid cores (or is it toroid? :-), and semiconductors are included in this "bag-o-parts". See <http://www.njqrp.org/psk31/psk-20.html> for details.

#### QRP HOMEBREWER

By now most subscribers have received their "QHB #5" issue and we thank you all for the kind words coming back. This is a great issue -- the surprise addition was the PSK30 "WARC-bler" Conversion article by the Iowa QRP

"twisted pair": Jeff Woods W00DS and Fred Spinner W0FMS. We have issue #6 in composition already and will be getting it out to subscribers next month in order to get us back on a regular publication schedule. See [http://www.njqrp.org/data/qrp\\_homebrewer](http://www.njqrp.org/data/qrp_homebrewer) for information and subscription information.

#### ATLANTICON PROCEEDINGS

We still have some of the Proceedings left from this spring's Atlanticon 2001 Forum, as well as a few still from last year's Atlanticon 2000 Forum. For those unfamiliar with the term, these "proceedings" are bound collections of the papers presented by the notable QRP speakers who come from all around the world to present to the gathered QRPers at these conferences. See <http://www.njqrp.org/misc> for all details.

#### HOME BREW "ANTENNA KITES"

A few of these "Scott Sled" kites popularized by Seab Lyon AA1MY are still available from the club. Sheets of Tyvek and full instructions are provided. See <http://www.njqrp.org/misc> for all details.

#### DISCONTINUED KITS

The following list of previously-offered kits from the NJQRP are no longer available. We regret being unable to keep these fun projects going on forever, but the obvious reality of limited volunteer club resources force us to have limited runs of the kits available for only a short time.

Retired kits include:

Squirt-80, SMK-1 Enclosure, Tuna Tin 2 Transmitter, QRP Pens, SOP Receiver, SNAP Transmitter, Rainbow Tuner, Rainbow Antenna Analyzer, MicroBeacon and the Fireball 40 Transmitter.

BTW, the TT2 Kit is now available from the Ft Smith QRP Group. Contact Jay Bromley W5JAY for details ([w5jay@alltel.net](mailto:w5jay@alltel.net))

BTW2, the WARC-bler was a very limited availability prototype conversion kit offered in conjunction with the Iowa QRP guys. We quickly sold out of those we had, but you might try contacting Jeff W00DS [w0ods@hotmail.com](mailto:w0ods@hotmail.com) to see if they have any plans for continued offering of the conversion bag-o-parts. Dave Benson NN1G of Small Wonder Labs tells us that he's in the process of creating a commercial version of his PSK-xx design, to be available later this summer. See <http://www.smallwonderlabs.com> for possible details.

Also, in many cases, the information, schematics and manuals for the discontinued kits are still available on the club website in case you wanted to roll your own. See our home page <http://www.njqrp.org> for the specific links to these projects.

#### THANK YOU!

A special "thank you" goes out to all on this list for the incredible support and interest you've shown to the NJQRP as we've been providing these



kits to you all. We're not a business, and we think you'll agree that the prices we offer to those in our QRP community reflect rock-bottom "profit margins" . This kind of bare-bones volunteer-based operation allows us to keep the ball rolling on more projects and kits, and to help support the annual Atlanticon QRP Forum, for which we're now starting preparations for the 4th time!

As always, let us know what you'd like to see and how you like your most recent kit from us. We're always glad to hear from QRPers!

72, George N2APB n2apb@amsat.org  
and Joe N2CX n2cx@voicenet.com  
for the NJQRP Club at <http://www.njqrp.org>

-----  
Date: Fri, 08 Jun 2001 14:09:05 -0700  
From: Phil Wheeler <w7ox@earthlink.net>  
To: marsgal42@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [99715] Re: OT: Save BBC Coalition  
Message-ID: <3B213EF1.B0C29003@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

laura halliday wrote:

>  
> While U.K. TV licence fees do in fact fund domestic  
> BBC radio and television services, they do \*not\* fund  
> the World Service. This is paid for by the Foreign and  
> Commonwealth Office. Have a look at their web page.  
>

Does the "comonealth" (other than UK) contribute to this budget?

Phil W7OX

-----

Date: Fri, 08 Jun 2001 15:11:43 -0700  
From: "laura halliday" <marsgal42@hotmail.com>  
To: w7ox@earthlink.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [99716] Re: OT: Save BBC Coalition  
Message-ID: <F200IPNTAbAWFswl3tT000181c3@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Phil Wheeler <w7ox@earthlink.net> wrote:

>laura halliday wrote:

> >

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> > BBC radio and television services, they do \*not\* fund  
> > the World Service. This is paid for by the Foreign and  
> > Commonwealth Office. Have a look at their web page.  
> >  
>

>Does the "comonealth" (other than UK) contribute to this budget?

I'm not sure what the quotes and misspelling are intended  
to convey, but, as far as I know, the other commonwealth  
countries do not contribute financially to the BBC World  
Service.

Laura Halliday VE7LDH        "Que les nuages soient notre  
Grid: CN89mg                    pied a terre..."  
ICBM: 49 15.042 N 122 59.053 W       - Hospital/Shafte

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Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

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End of QRP-L Digest 2214

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